



PATENT
Attorney Docket No.: SNS-010C1
(7268/17)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Goodwin *et al.*
SERIAL NO.: 10/650,155 GROUP NO.: Not Yet Assigned
FILING DATE: August 28, 2003 EXAMINER: Not Yet Assigned
TITLE: 3-D Selection and Manipulation With a Multiple Dimension Haptic Interface

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 26th day of September, 2003.

N. Deane

Nicole Deane

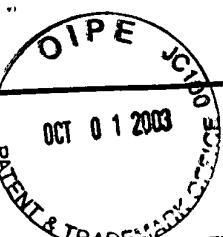
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith in **BOX 2 OF 2** are:

1. Copy of Transmittal Form (1 pg.);
2. Copy of Information Disclosure Statement (3 pgs.);
3. Copy of Form PTO-1449 (11 pgs.);
4. Cited References B1-B17 and C1-C68; and
5. Return Receipt Postcard.

Note that originals of the copies listed above, as well as Cited References A1-A168, are mailed in **BOX 1 OF 2** of this submission.



TRANSMITTAL
FORM

COPY

Application Serial Number	10/650,155
Filing Date	August 28, 2003
First Named Inventor	Goodwin
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket No.	SNS-010C1
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

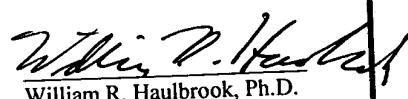
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> <input type="checkbox"/> Check Attached	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> <input type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> <input type="checkbox"/> Preliminary	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> <input type="checkbox"/> After Final	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
<input type="checkbox"/> <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____]	<input type="checkbox"/> CD(s) for large table or computer program	
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Amendment After Allowance	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Certificate of Correction	
<input checked="" type="checkbox"/> Form PTO-1449	<input type="checkbox"/> <input type="checkbox"/> Certificate of Correction (in duplicate)	
<input checked="" type="checkbox"/> Copies of IDS Citations (A1-A168; B1-B17 & C1-C68)		
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Sequence Listing submission		
<input type="checkbox"/> <input type="checkbox"/> Paper Copy/CD		
<input type="checkbox"/> <input type="checkbox"/> Computer Readable Copy		
<input type="checkbox"/> <input type="checkbox"/> Statement verifying identity of above		

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,


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COPY

PATENT
Attorney Docket No. SNS-010C1
(7268/17)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Goodwin, *et al.*
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filings date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) but before the mailing date of a **final action or a notice of allowance** under 37 C.F.R. 1.311, and

the requisite Statement is below, OR

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

Information Disclosure Statement

Serial No.: 10/650,155

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(3) after the mailing date of a **final action or notice of allowance** but before the payment of the **issue fee**, AND

the requisite Statement is below, AND

the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that

1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or

2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

In addition, Applicants wish to inform the Examiner of the following commonly-owned, co-pending applications:

Serial Number	Inventor	Filing Date	Priority Information
09/574,131	Tarr, et al.	05/18/00	Continuation of USSN 08/691,247
10/375,517	Shih, et al.	02/26/03	Continuation of US Patent No. 6,552,722, issued on 04/22/03, which is a continuation-in-part of US Patent No. 6,421,048, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/352,066	Handley, et al.	07/14/99	Continuation-in-part of US Patent No. 6,421,048, issued on 07/16/02, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/356,289	Rodomista, et al.	07/16/99	

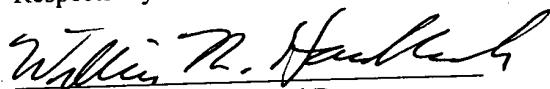
Information Disclosure Statement

Serial No.: 10/650,155

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Serial Number	Inventor	Filing Date	Priority Information
10/144,191	Rodomista, et al.	05/13/02	Divisional of USSN 09/356,119
10/017,703	Jennings, et al.	12/14/01	
10/017,148	Jennings, et al.	12/14/01	
10/133,242	Goodwin, et al.	04/26/02	
10/055,565	Zilles, et al.	10/26/01	Continuation of US Patent No. 6,369,834, issued 04/09/02, which is a continuation of US Patent No. 6,111,577, issued 08/29/00.
10/022,114	Massie, et al.	11/16/01	Continuation of USSN 09/268,455 filed on 02/12/99, which is a continuation of US Patent No. 5,898,599 issued on 04/27/99, which is a continuation of US Patent No. 5,625,576, issued on 04/29/97, which is a continuation of US Patent No. 5,587,937 issued on 12/24/96.

Respectfully submitted,



William R. Haulbrook, PhD.

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Boston, Massachusetts 02110

Date: September 26, 2003
Reg. No. 53,002

Tel. No.: (617) 310-8427
Fax No.: (617) 248-7100



COPY
SHEET 1 OF 1

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-010C1

APPLICANTS: Goodwin, *et al.*

SERIAL NO.: 10/650,155

FILING DATE: August 28, 2003

GROUP: Not Yet Assigned

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	2,475,484	07/05/49	DeNise	318	628	05/14/46
	A2	3,168,203	02/01/65	Gallistel	214	1	07/07/60
	A3	3,263,824	08/02/66	Jones <i>et al.</i>	214	1	12/20/63
	A4	3,449,008	06/10/69	Colechia	294	88	06/08/67
	A5	3,531,868	10/06/70	Stevenson	33	174	04/18/68
	A6	3,618,786	11/09/71	Fick	214	1CM	01/02/69
	A7	3,637,092	01/01/72	George <i>et al.</i>	214	1CM	04/30/70
	A8	3,920,972	11/18/75	Corwin <i>et al.</i>	235	151.1	07/16/74
	A9	3,944,798	03/16/76	Eaton	235	161.3	04/18/74
	A10	4,062,455	12/13/77	Flatau	214	1	11/01/76
	A11	4,150,803	04/24/79	Fernandez	244	135A	10/05/77
	A12	4,216,467	08/05/80	Colston	340	365L	12/22/77
	A13	4,302,138	11/24/81	Zarudiansky	414	5	01/22/79
	A14	4,367,532	01/04/83	Crum <i>et al.</i>	364	513	12/24/80
	A15	4,420,808	12/13/83	Diamond <i>et al.</i>	364	434	01/18/82
	A16	4,521,685	06/04/85	Rebman	250	229	03/01/82
	A17	4,604,016	08/05/86	Joyce	414	7	08/03/83
	A18	4,632,341	12/30/86	Repperger <i>et al.</i>	244	230	02/06/85
	A19	4,638,798	01/27/87	Shelden <i>et al.</i>	128	303B	09/10/80
	A20	4,653,011	03/24/87	Iwano	364	513	03/27/85
	A21	4,654,648	03/31/87	Herrington <i>et al.</i>	340	710	12/17/84
	A22	4,655,673	04/07/87	Hawkes	414	730	05/10/83
	A23	4,661,032	04/28/87	Arai	414	5	12/18/85

EXAMINER

DATE CONSIDERED



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ATTORNEY DOCKET NO.: SNS-010C1

APPLICANTS: Goodwin, *et al.*

SERIAL NO.: 10/650,155

FILING DATE: August 28, 2003

GROUP: Not Yet Assigned

	A24	4,670,851	06/02/87	Murakami et al.	364	518	10/22/84
	A25	4,676,002	06/30/87	Slocum	33	1 MP	12/20/85
	A26	4,680,519	07/14/87	Chand et al.	318	568	09/23/85
	A27	4,703,443	10/27/87	Moriyasu	364	559	02/07/85
	A28	4,729,098	03/01/88	Cline et al.	364	414	06/05/85
	A29	4,769,763	09/06/88	Trieb et al.	364	559	06/16/86
	A30	4,791,934	12/20/88	Brunnett	128	653	08/07/86
	A31	4,795,296	01/03/89	Jau	414	5	10/17/86
	A32	4,800,721	01/31/89	Cemenska et al.	60	393	02/13/87
	A33	4,819,195	04/04/89	Bell et al.	364	571.1	01/20/87
	A34	4,823,634	04/25/89	Culver	74	471	11/03/87
	A35	4,837,734	06/06/89	Ichikawa et al.	364	513	02/26/87
	A36	4,839,838	06/13/89	LaBiche et al.	364	709.1	03/30/87
	A37	4,853,874	08/01/89	Iwamoto et al.	364	513	11/20/87
	A38	4,888,538	12/19/89	Dimitrov et al.	318	675	01/13/88
	A39	4,893,981	01/16/90	Yoshinada et al.	414	5	03/26/87
	A40	4,907,970	03/13/90	Meenen, Jr.	434	45	03/30/88
	A41	4,907,973	03/13/90	Hon	434	262	11/14/88
	A42	4,942,538	07/17/90	Yuan et al.	364	513	02/23/89
	A43	4,945,305	07/31/90	Blood	324	207.2	04/11/89
	A44	4,945,501	07/31/90	Bell et al.	364	571.1	04/12/89
	A45	4,961,138	10/02/90	Gorniak	364	200	10/02/89
	A46	4,973,215	11/27/90	Karlen et al.	414	729	02/14/89
	A47	4,982,504	01/08/91	Söderberg et al.	33	502	02/17/89
	A48	4,988,981	01/29/91	Zimmerman et al.	340	709	02/28/89
	A49	5,004,391	04/02/91	Burdea	414	6	08/21/89

EXAMINER

DATE CONSIDERED



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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: SNS-010C1 APPLICANTS: Goodwin, <i>et al.</i> SERIAL NO.: 10/650,155 FILING DATE: August 28, 2003 GROUP: Not Yet Assigned			
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	A50	5,007,300	04/16/91	Siva	74	471 X	01/22/90
	A51	5,018,922	05/28/91	Yoshinada et al.	414	5	09/12/89
	A52	5,019,761	05/28/91	Kraft	318	568.1	02/21/89
	A53	5,038,089	08/06/91	Szakaly	318	568.1	10/28/88
	A54	5,040,306	08/20/91	McMurtry et al.	33	556	02/20/89
	A55	5,044,956	09/03/91	Behensky et al.	434	45	01/12/89
	A56	5,053,975	10/01/91	Tsuchihashi et al.	364	513	06/08/89
	A57	5,072,361	12/10/91	Davis et al.	364	167	02/01/90
	A58	5,088,046	02/11/92	McMurtry	364	474	12/19/88
	A59	5,088,055	02/11/92	Oyama	364	560	02/22/90
	A60	5,103,404	04/07/92	McIntosh	318	568.2	12/20/89
	A61	5,105,367	04/14/92	Tsuchihashi et al.	395	99	10/16/89
	A62	5,116,051	05/26/92	Moncrief et al.	273	448 B	06/08/90
	A63	5,116,180	05/26/92	Fung et al.	414	5	05/03/90
	A64	5,130,632	07/14/92	Ezawa et al.	318	568.1	12/05/90
	A65	5,131,844	07/21/92	Marinaccio et al.	433	72	04/08/91
	A66	5,142,931	09/01/92	Menahem	74	471 XY	02/14/91
	A67	5,143,505	09/01/92	Burdea et al.	414	5	02/26/91
	A68	5,184,319	02/02/93	Kramer	364	806	02/02/90
	A69	5,185,561	02/09/93	Good et al.	318	432	07/23/91
	A70	5,189,806	03/02/93	McMurtry et al.	33	503	08/17/92
	A71	5,193,963	03/16/93	McAfee et al	414	5	10/01/90
	A72	5,204,824	04/20/93	Fujimaki	364	474	08/23/90
	A73	5,220,260	06/15/93	Schuler	318	561	10/24/91
	A74	5,223,776	06/29/93	Radke et al.	318	568.1	12/31/90
	A75	5,239,246	08/24/93	Kim	318	568.1	07/08/92

EXAMINER	DATE CONSIDERED
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SHEET 4 OF 11

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: SNS-010C1 APPLICANTS: Goodwin, <i>et al.</i> SERIAL NO.: 10/650,155 FILING DATE: August 28, 2003 GROUP: Not Yet Assigned			
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A76	5,255,211	10/19/93	Redmond	364	578	02/22/90
A77	5,264,768	11/23/93	Gregory et al.	318	561	10/06/92
A78	5,266,875	11/30/93	Slotine et al.	395	99x	05/01/91
A79	5,354,162	10/11/94	Burdea et al.	414	5	10/11/94
A80	5,382,885	01/17/95	Salcudean et al.	318	568.1	08/09/93
A81	5,389,865	02/14/95	Jacobus et al.	318	568.1	12/02/92
A82	5,396,265	03/07/95	Ulrich et al.	345	158	09/17/90
A83	5,414,337	05/09/95	Schuler	318	561	06/11/93
A84	5,429,140	07/04/95	Burdea et al.	128	774	06/04/93
A85	5,438,529	08/01/95	Rosenberg et al.	364	709.1	01/26/94
A86	5,459,382	10/17/95	Jacobus et al.	318	568.1	06/09/94
A87	5,482,051	01/09/96	Reddy et al.	128	733	04/06/94
A88	5,489,830	02/06/96	Fernandez	318	628	09/01/94
A89	5,497,452	03/05/96	Shimizu et al.	395	120	03/02/92
A90	5,515,078	05/07/96	Greschler et al.	345	156	
A91	5,555,894	09/17/96	Doyama et al.	128	782	05/02/94
A92	5,559,412	09/24/96	Schuler	318	561	05/03/95
A93	5,576,727	11/19/96	Rosenberg et al.	345	179	06/05/95
A94	5,587,937	12/24/96	Massie et al.	364	578	04/25/95
A95	5,589,854	12/31/96	Tsai	345	161	06/22/95
A96	5,623,582	04/22/97	Rosenberg	395	99	07/14/94
A97	5,623,642	04/22/97	Katz et al.	395	500	04/06/94
A98	5,625,576	04/29/97	Massie et al.	364	578	10/01/93
A99	5,629,594	05/13/97	Jacobus et al.	318	568.1	10/16/95
A100	5,642,469	06/24/97	Hannaford et al.	395	99	11/03/94
A101	5,666,138	09/09/97	Culver	345	161	11/22/94

EXAMINER	DATE CONSIDERED
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SHEET 5 OF 11

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: SNS-010C1 APPLICANTS: Goodwin, <i>et al.</i> SERIAL NO.: 10/650,155 FILING DATE: August 28, 2003 GROUP: Not Yet Assigned			
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	A102	5,691,898	11/25/97	Rosenberg et al.	364	190	03/28/96
	A103	5,694,013	12/02/97	Stewart et al.	318	561	09/06/96
	A104	5,701,140	12/23/97	Rosenberg et al.	345	156	07/12/94
	A105	5,721,566	02/24/98	Rosenberg et al.	345	161	06/09/95
	A106	5,724,264	03/03/98	Rosenberg et al.	364	559	08/07/95
	A107	5,731,804	03/24/98	Rosenberg	345	156	01/18/95
	A108	5,734,373	03/31/98	Rosenberg et al.	345	161	12/01/95
	A109	5,737,505	04/07/98	Shaw et al.	395	119	10/15/96
	A110	5,739,811	04/14/98	Rosenberg et al.	345	161	09/27/95
	A111	5,742,278	04/21/98	Chen et al.	345	156	11/01/95
	A112	5,751,289	05/12/98	Myers	345	419	01/16/96
	A113	5,754,023	05/19/98	Roston et al.	318	561	10/22/96
	A114	5,767,839	06/16/98	Rosenberg	345	161	03/03/95
	A115	5,769,640	06/23/98	Jacobus et al.	434	262	08/10/95
	A116	5,784,542	07/21/98	Ohm et al.	395	95	10/23/96
	A117	5,790,108	08/04/98	Salcudean et al.	345	184	10/23/92
	A118	5,798,752	08/25/98	Buxton et al.	345	146	02/27/95
	A119	5,800,177	09/01/98	Gillio	434	262	07/11/96
	A120	5,800,178	09/01/98	Gillio	434	262	07/11/96
	A121	5,800,179	09/01/98	Bailey	434	262	07/23/96
	A122	5,802,353	09/01/98	Avila et al.	395	500	06/12/96
	A123	5,803,738	09/08/98	Latham	434	29	08/05/96
	A124	5,805,140	09/08/98	Rosenberg et al.	345	161	11/17/95
	A125	5,821,920	10/13/98	Rosenberg et al.	345	156	03/28/97
	A126	5,825,308	10/20/98	Rosenberg	341	20	11/26/96
	A127	5,828,197	10/27/98	Martin, et al.	318	567	10/25/96

EXAMINER	DATE CONSIDERED
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 FORM PTO - 1449
 INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-010C1

 APPLICANTS: Goodwin, *et al.*

SERIAL NO.: 10/650,155

FILING DATE: August 28, 2003

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	A128	5,831,408	11/03/98	Jacobus, et al.	318	568.1	05/12/97
	A129	5,844,392	12/01/98	Peurach et al.	318	568.2	05/21/97
	A130	5,859,934	01/12/99	Green	382	296	01/14/97
	A131	5,880,714	03/09/99	Rosenberg et al.	345	156	01/15/97
	A132	5,889,670	03/30/99	Schuler et al.	364	186	01/11/96
	A133	5,903,456	05/11/99	Schena et al.	364	190	01/27/97
	A134	5,907,487	05/25/99	Rosenberg et al.	364	190	04/02/97
	A135	5,913,727	06/22/99	Ahdoot	463	39	06/13/97
	A136	5,929,607	07/27/99	Rosenberg et al.	320	166	04/02/97
	A137	5,929,846	07/27/99	Rosenberg et al.	345	161	06/05/97
	A138	5,956,484	09/21/99	Rosenberg et al.	395	200.3	08/01/96
	A139	6,084,587	07/04/00	Tarr et al.	345	419	02/08/96
	A140	6,191,796 B1	02/20/01	Tarr	345	433	01/21/98
	A141	6,337,678 B1	01/20/02	Fish	345	156	07/21/99
	A142	6,342,880 B2	01/20/02	Rosenberg et al.	345	161	10/06/99
	A143	D. 377,932	02/11/97	Schena et al.	D14	114	10/31/95
	A144	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
	A145	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
	A146	5,446,834	08/29/95	Deering	345	427	12/06/94
	A147	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
	A148	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
	A149	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
	A150	5,872,438	02/16/99	Roston	318	568.11	07/01/97
	A151	5,873,106	02/16/99	Joseph	715	506	09/18/95
	A152	5,882,206	06/16/99	Gillio	434	262	03/29/95
	A153	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96

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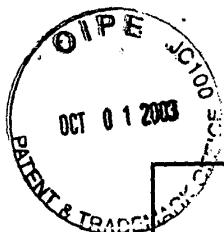
FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: SNS-010C1 APPLICANTS: Goodwin, et al. SERIAL NO.: 10/650,155 FILING DATE: August 28, 2003 GROUP: Not Yet Assigned			
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	A154	5,903,886	05/11/99	Heimlich, et al.	706	50	04/29/97
	A155	5,973,678	10/26/99	Stewart, et al.	345	184	08/29/97
	A156	5,988,862	11/23/99	Kacyra, et al.	703	6	04/24/96
	A157	6,111,577	08/29/00	Zilles, et al.	345	701	04/04/96
	A158	6,211,848	04/03/01	Plesniak, et al.	345	156	02/09/99
	A159	6,226,003	05/01/01	Akeley	345	419	08/11/98
	A160	6,308,144	10/23/01	Bronfeld, et al.	703	2	09/26/96
	A161	6,369,834	04/09/02	Zilles, et al.	345	701	06/02/99
	A162	6,417,638	07/09/02	Guy, et al.	318	560	07/16/99
	A163	6,421,048	07/16/02	Shih, et al.	345	419	06/28/99
	A164	6,552,722	04/22/03	Shih, et al.	345	19	07/06/99
	A165	20020075283	06/20/02	Payne	345	643	12/14/01
	A166	20020089500	07/11/02	Jennings, et al.	345	420	12/14/01
	A167	20020158842	10/31/02	Guy, et al.	345	156	05/13/02
	A168	20030128208	07/10/03	Shih, et al.	345	419	02/26/03

FOREIGN PATENT DOCUMENTS

EXAM INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	WO 95/02801	01/26/95	PCT	G01B	7/03	07/12/94	N	Y
	B2	WO 96/16397	05/30/96	PCT	G09G	5/08	11/22/95	N	Y
	B3	WO 96/22591	07/25/96	PCT	G09G	5/00	01/17/96	N	Y
	B4	WO 96/42078	12/27/96	PCT	G09G	3/02	06/07/96	N	Y
	B5	WO 97/06410	02/20/97	PCT	G01C	7/00	07/29/96	N	Y
	B6	WO 97/12337	04/03/97	PCT	G06F	19/00	09/25/96	N	Y
	B7	WO 97/12357	04/03/97	PCT	G09G	5/00	09/25/96	N	Y
	B8	WO 97/19440	05/29/97	PCT	G09G	5/00	11/05/96	N	Y

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	B9	WO 97/21160	06/12/97	PCT	G06F	N/A	11/26/96	N	Y
	B10	WO 97/44775	11/27/97	PCT	G09G G06G B25J G05B G06F G06G A03B	5/08 3/00 9/18 19/19 19/408 17/00 7/48 71/00 24/00	05/16/97	N	Y
	B11	WO 98/06024	02/12/98	PCT	G06F	3/00 15/16 17/30	07/31/97	N	Y
	B12	WO 98/26342	06/18/98	PCT	G06F	N/A	11/25/97	N	Y
	B13	WO 98/30951	07/16/98	PCT	G06F	3/02	01/07/98	N	Y
	B14	WO 98/58308	12/23/98	PCT	G06F	3/033	06/15/98	N	Y
	B15	WO 98/58323	12/23/98	PCT	G06F	15/00	06/16/98	N	Y
	B16	WO 99/10872	03/04/99	PCT	G09G	5/00	08/21/98	N	Y
	B17	EP 0 915 434 A2	05/12/99	EP	G06T	15/50	05/14/98	N	Y

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	C2	Agrawala et al., "3D Painting on Scanned Surfaces", Stanford University, 1995, pgs 145-150.
	C3	Atkinson et al., "Computing with Feeling" COMPUT. & GRAPHICS, Vol. 2, 1977, pgs. 97-103.
	C4	Avila et al., "A Haptic Interaction Method for Volume Visualization," GE Corporate Research & Development, Schenectady, NY, pp. 1-9 (1996).
	C6	Barr, "Global and Local Deformations of Solid Primitives"; COMPUTER GRAPHICS; Vol. 18, No. 3, pgs. 21-30 (July, 1984).
	C7	Bergamasco, "Design of Hand Force Feedback Systems for Glove-like Advanced Interfaces", IEEE, September 1992, pp. 286-293.
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C10	Burdea, "Force And Touch Feedback For Virtual Reality," John Wiley and Sons, Inc., New York, New York, pp. 190-193 (1996).	
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C12	Colgate et al., "Implementation of Stiff Virtual Walls in Force Reflecting Interfaces," IEEE Virtual Reality Annual International Symposium (Seattle, WA), pp. 202-208 (September 18-22, 1993).	
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C26	Immersion Corporation, "Virtual Laparoscopic Interface", Immersion Corporation, 1995, 1 pg.	
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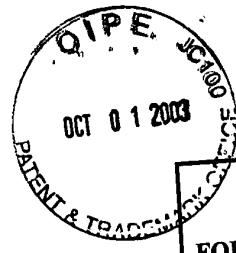
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	C33	Kraft Ocean Systems, "Grips Underwater Manipulator System".
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C57	Wang et al., "Volume Sculpting", 1995 Symposium on Interactive 3D Graphics, Monterey, California, pgs. 151-156.
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